

Powerful,
mains-pressure
hot water



aquastore 
unvented cylinders



AQUASTORE UNVENTED CYLINDERS

THE NEW AQUASTORE SUPPLY ALL THE HOT WATER REQUIRED FOR THE MODERN HOME, PROVIDING RAPID FILL BATHS AND INVIGORATING SHOWERS TO EN-SUITE BATHROOMS AND OTHER DOMESTIC APPLIANCES AT THE SAME TIME.



USER FEATURES

- Mains pressure hot water
- Fast filling baths
- Powerful invigorating showers
- Simultaneous supply of water to all bathrooms
- No cold water storage tank required, freeing up valuable living space
- Long life low maintenance hot water supply
- Option of a brushed stainless steel outer case

INSTALLER FEATURES

- Duplex steel inner cylinder with 25 years guarantee
- Internal expansion for quick easy installation (External expansion vessel required on solar cylinder)
- Tough plastic leather grain external coating resists scratching
- No anode – reduces service requirements
- CFC free foam injected insulation
- 3kW incoloy 825 immersion(s) for longer life
- Lightweight for easy handling to site
- Water inlet diffuser prevents cold and hot water mixing

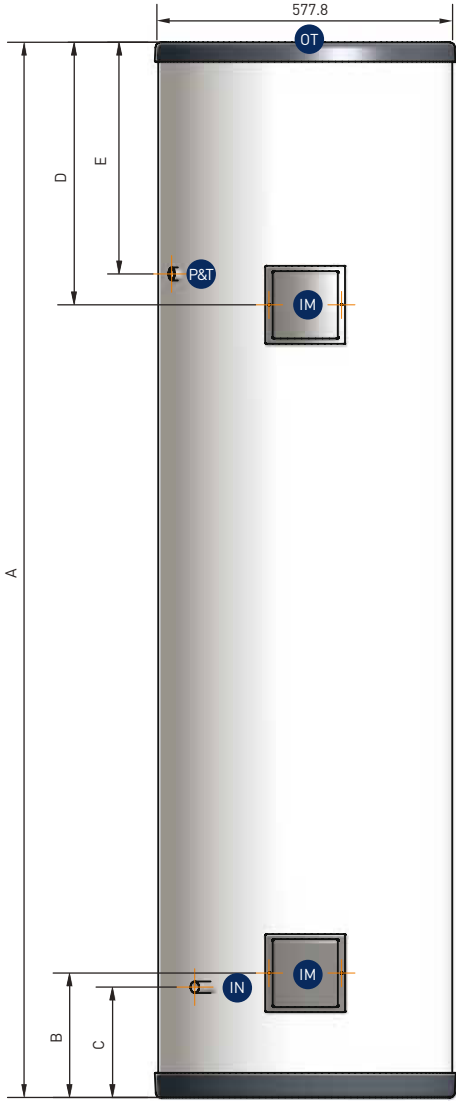
25
YEAR
Cylinder
Guarantee



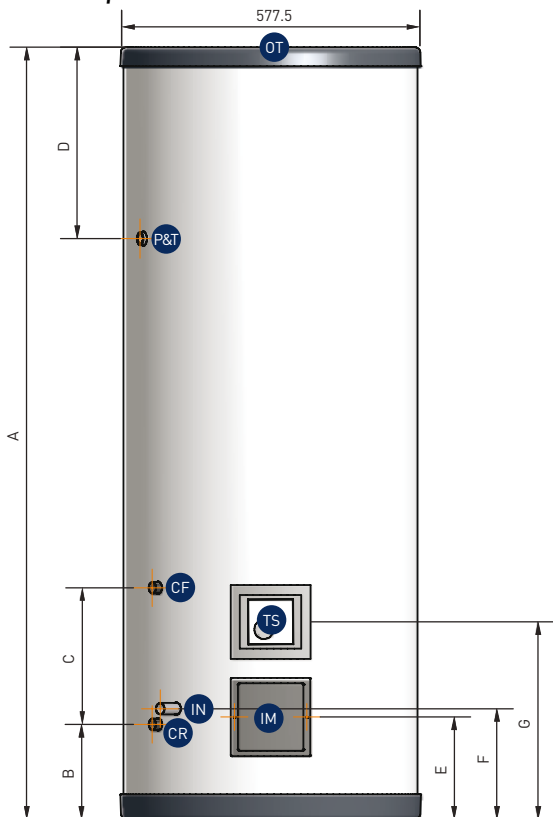
Inlet diffuser

CYLINDER DIMENSIONS

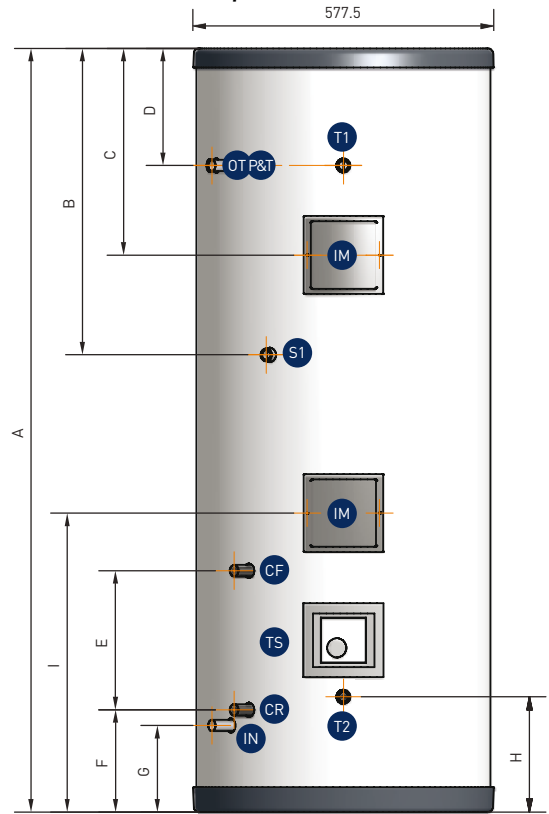
Direct Cylinder



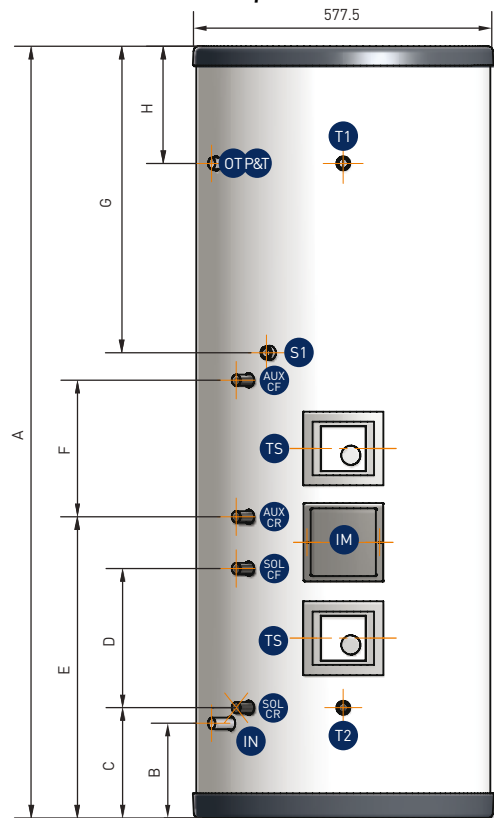
Indirect Cylinder



Solar Direct Cylinder



Solar Indirect Cylinder



Key

P&T	Pressure and temperature relief valve 1/2 BSP female
OT	Outlet 22mm plain pipe
T1, T2	Temperature sensor
S1	Secondary return 22mm plain pipe
IM	Immersion heater
CF, CR	Coil flow/return 22mm plain pipe
IN	Inlet 22mm plain pipe
TS	Twin stat
AUX	Auxiliary coil
SOL	Solar

CYLINDER DIMENSIONS

DIRECT CYLINDER

	CAPACITY (in litres)	A	B	C	D	E
954100	80	645	196	182.5	331.5	388
954101	130	957.6	196	182.5	331.5	388
954102	150	1085.6	196	182.5	340	438
954103	175	1242.6	196	182.5	352	489.5
954104	215	1484.6	196	182.5	368.5	465.5
954105	255	1752.6	196	182.5	388	484
954106	305	2029	196	182.5	409.5	488.5

All dimensions in millimetres (mm)

INDIRECT CYLINDER

	CAPACITY (in litres)	A	B	C	D	E	F	G
954108	130	957.6	212.5	192.5	331.5	196.5	182.5	339
954109	150	1085.6	212.5	192.5	341	196.5	182.5	339
954110	175	1242.6	212.5	262.5	352	196.5	182.5	379.5
954111	215	1484.6	212.5	262.5	368.5	196.5	182.5	379.5
954112	255	1752.6	212.5	262.5	388	196.5	182.5	379.5
954113	305	2029	212.5	262.5	409.5	196.5	182.5	379.5

All dimensions in millimetres (mm)

SOLAR DIRECT CYLINDER

	CAPACITY (in litres)	A	B	C	D	E	F	G	H	I
954114	130	957.6	300.5	348	225.5	192.5	212.5	182.5	182.5	455
954115	150	1085.6	300.5	398	225.5	192.5	212.5	182.5	182.5	513
954116	175	1242.6	469	398	225.5	267.5	212.5	182.5	182.5	589
954117	215	1484.6	590	398	225.5	267.5	212.5	182.5	182.5	589
954118	255	1752.6	469	398	225.5	267.5	212.5	182.5	182.5	589
954119	305	2029	590	398	225.5	267.5	212.5	182.5	182.5	589

All dimensions in millimetres (mm)

SOLAR INDIRECT CYLINDER

	CAPACITY (in litres)	A	B	C	D	E	F	G	H
954136	130	957.6	182.5	212.5	192.5	505	192.5	301	225.5
954137	150	1085.6	182.5	212.5	192.5	505	192.5	301	225.5
954138	175	1242.6	182.5	212.5	267.5	579.5	262.5	469	225.5
954139	215	1484.6	182.5	212.5	267.5	579.5	262.5	590	225.5
954140	255	1752.6	182.5	212.5	267.5	579.5	262.5	590	225.5
954141	305	2029	182.5	212.5	267.5	579.5	262.5	590	225.5

All dimensions in millimetres (mm)

Larger Cylinders available on request

All unvented installations must comply with local building regulations:

England & Wales: G3 Building Regs

Scotland: Technical Standard P3

Northern Ireland: Building Regulation P5

TECHNICAL SPECIFICATIONS

IMMERSIONS

3kW @240V 50Hz (permanent connection to supply through a double pole linked isolated switch with minimum breaking capacity of 13A).

OUTER CASING

Dove Grey leather grain plastic coated steel. Option of a brushed stainless steel outer case, please contact us for further details.

INSULATION

CFC free 60mm ODP zero fire retardant.

WATER SUPPLY

1.5bar 15 litres per minute minimum, 16bar maximum.

INNER CYLINDER

Duplex 2304L 1.4362 EN10088 stainless steel.

PRESSURE TESTS

All tested to 15bar.

PRIMARY COIL

22mm stainless steel pipe.

HOT WATER OUTLET

22mm stainless steel pipe.

THERMOSTAT

Direct units

- Integral immersion thermostat and cut-out.

Indirect units

- External dual thermostat and cut-out.

T&P

Factory fitted 7bar 90°C.

SAFETY KIT

Pressure reducing valve, expansion relief valve; tundish; motorised valve (indirect only) supplied.

EXPANSION

Internal air gap

- No additional expansion vessel required.

APPROVALS

WRAS; BBA.

GUARANTEE

25 years for inner cylinder; 2 years on immersion (excluding effects of limescale) and 5 years on other components.

UNVENTED CYLINDER REQUIREMENTS

PROPERTY	INDIRECT	DIRECT
1 bed / 1 shower	954107	954101
2 bed / 1 bath & 1 shower	954108	954102
3 bed / 1 bath & 2 shower	954109	954103
4 bed / 1 bath & 3 shower	954110	954104
4 bed / 1 bath & 3 shower	954111	954105
5 bed / 2 bath & 2 shower	954112	954106
6 bed / 2 bath & 3 shower	954113	954107

WEIGHT (Kg)

CAPACITY	DIRECT EMPTY	DIRECT FULL	INDIRECT EMPTY	INDIRECT FULL
80L	27	142	29	143
130L	30	185	32	187
150L	32	207	35	210
175L	37	237	40	240
215L	43	258	48	264
255L	50	305	55	311
305L	59	364	65	370

COIL SIZE (Indirect Only)

954107	7kW
954108 / 954109	14kW
954110 / 954111	17kW
954112 / 954113	17kW

DIMENSIONS RELATIVE TO FLOOR LEVEL

PRODUCT	CAPACITY (litres)	CYLINDER DIAMETER (mm)	OVERALL HEIGHT (mm) (A)	CYLINDER HEIGHT (mm) (B)	IMMERSIONS	LOWER IMMERSIONS (mm) (C)	TOP IMMERSIONS (mm)	BOTTOM COIL (mm) (D)	TOP COIL (mm) (E)	T&P VALVE (mm) (F)	COLD INLET (mm)
DIRECT											
954100	80	577.8	645	196	1	188	N/A	-	-	347	230
954101	130	577.8	957.6	196	2	188	521	-	-	618	230
954102	150	577.8	1085.6	196	2	188	640	-	-	737	230
954103	175	577.8	1242.6	196	2	188	786	-	-	883	230
954104	215	577.8	1484.6	196	2	188	1011	-	-	1108	230
954105	255	577.8	1752.6	196	2	188	1259	-	-	1356	230
954106	305	577.8	2029	196	2	188	1516	-	-	1613	230
INDIRECT											
954108	130	577.5	957.6	212.5	1	188	-	483	558	618	230
954109	150	577.5	1085.6	212.5	1	188	-	483	558	737	230
954110	175	577.5	1242.6	212.5	1	188	-	683	758	883	230
954111	215	577.5	1484.6	212.5	1	188	-	683	758	1108	230
954112	255	577.5	1752.6	212.5	1	188	-	683	758	1356	230
954113	305	577.5	2029	212.5	1	188	-	683	758	1613	230

PERFORMANCE

HEAT-UP (mins)	REHEAT TIME (mins)	HEAT LOSS IN 24hrs (kw/24hr)
64	53	1.12
115	90	1.50
138	104	1.82
167	124	2.10
212	153	2.59
263	184	2.73
313	220	2.88
INDIRECT		
28	21	1.50
33	24	1.82
27	24	2.10
35	30	2.59
42	35	2.73
50	42	2.88

SOLAR CYLINDER

PRODUCT	CAPACITY (litre)	CYLINDER DIAMETER (mm)	OVERALL HEIGHT (mm) (A)	T&P VALVE (mm)	IMMERSIONS	IMMERSION (mm)	SOLAR COIL		AUXILIARY COIL		COLD INLET (mm)	SOLAR COIL size sqm	AUX COIL size sqm
							FLOW (mm)	RETURN (mm)	FLOW COIL (mm)	RETURN COIL (mm)			
DIRECT													
954135	130	577.5	957.6	794	1	517	467	275	760	568	300	0.54	0.54
954136	150	577.5	1085.6	922	1	517	467	275	760	568	300	0.54	0.54
954137	175	577.5	1242.6	1044	1	560	507	275	870	610	300	1.1	0.75
954138	215	577.5	1484.6	1286	1	560	507	275	870	610	300	1.1	0.75
954139	255	577.5	1752.6	1553	1	560	507	275	870	610	300	1.1	0.75
954140	305	577.5	2029	1829	1	560	507	275	870	610	300	1.1	0.75
INDIRECT													
954135	130	577.5	957.6	794	1	517	467	275	760	568	300	0.54	0.54
954136	150	577.5	1085.6	922	1	517	467	275	760	568	300	0.54	0.54
954137	175	577.5	1242.6	1044	1	560	507	275	870	610	300	1.1	0.75
954138	215	577.5	1484.6	1286	1	560	507	275	870	610	300	1.1	0.75
954139	255	577.5	1752.6	1553	1	560	507	275	870	610	300	1.1	0.75
954140	305	577.5	2029	1829	1	560	507	275	870	610	300	1.1	0.75

AFTER SALES SERVICE

After sales service if required is absolutely no problem with Glen Dimplex Boilers – we have a network of appointed Service Agents spread throughout the country who are qualified and trained to repair or service any of our appliances.

SPECIFICATIONS

Glen Dimplex Boilers policy is one of continuous improvement; the Company therefore reserves the right to alter specifications without notice. Although every care has been taken in the reproduction of product finishes in this brochure, the colour photographs should be taken only as a guide. The information contained in this brochure is correct at the time of printing. You are advised to consult your Dealer before purchasing.

BRITISH ELECTROTECHNICAL APPROVALS BOARD BEAB APPROVED

The mark of the Electrotechnical Approvals Board signifies that the appliance bearing it has been produced to the stringent safety requirements for domestic electrical appliances as laid down in EN60335.

CE MARK

Products carrying the CE mark comply with European safety standards and the European standard for electro-magnetic compatibility

INSTALLATION GUIDANCE

This brochure is designed to assist you with your choice of Glen Dimplex Boilers products and it is not intended as an installation guide. For safety, products should only be installed by a competent person, in accordance with current regulations and the manufacturers instructions. If you require further advice concerning the installation of our products – especially where the installed dimensions may be critical, please contact our customer service department or consult your installer.



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Website: www.glendimplexboilers.com



Glen Dimplex Boilers, based in Prescott Liverpool, manufactures and markets a range condensing gas boilers and supporting accessories. Part of the Glen Dimplex Group, the company has more than 35 years of manufacturing and boiler experience backed-up by the award winning Glen Dimplex Home Appliances Customer Care Centre, that controls a nationwide network of service engineers and a service and technical helpline. Products include: Dimplex, a range of advanced design boilers; Eden X Type and ACE, providing variable heating outputs and easy installation; Edensol, a solar thermal hot water package and Aquastore, an unvented cylinder for powerful, mains-pressure hot water.

Glen Dimplex is continuously improving its products and may therefore change specifications without prior notice. The statutory rights of the consumer are not affected.

htdl/02/10

FOR ALL TELEPHONE ENQUIRIES CALL: 0844 371 1111